

NHS Wales Medline searching. Session 1

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Wolters Kluwer

Learning Objectives

- Introduction to Ovid
- Introduction to your resource: Medline
- Basic Searching: NLP
- Introduction to Advanced search modes
- Indexed records Definition: MESH
- Mapping to thesaurus/MESH– explode and Focus and subheadings
- Truncation
- Keyword searching: Proximity indicators and wildcards
- Exporting your records
- Saving and Sharing searches
- My workspace (cloud storage for your searches and records)

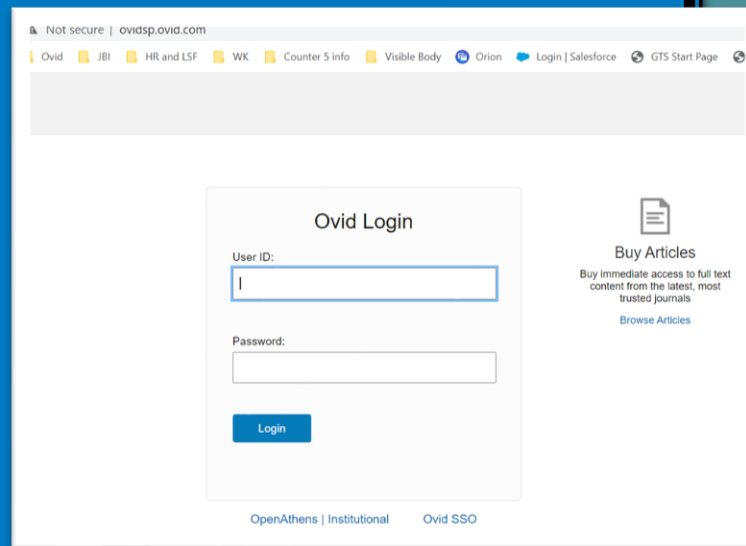
■ Q and A

Ovid and your resources




- Ovid is the platform which hosts your databases. You can access this from your library portal or using this link <http://ovidsp.ovid.com/>
- Ovid is an interface. Perform structured searching simply with ability to save, email and export, annotate and create a workspace

Database: Medline

A screenshot of the Ovid Login page. The browser address bar shows "Not secure | ovidsp.ovid.com". The page has a navigation bar with links: Ovid, JBI, HR and LSF, WK, Counter 5 info, Visible Body, Orion, Login | Salesforce, and GTS Start Page. The main content area features a "Ovid Login" form with fields for "User ID:" and "Password:", and a "Login" button. To the right of the form is a "Buy Articles" section with a document icon and text: "Buy immediate access to full text content from the latest, most trusted journals" and a "Browse Articles" link. At the bottom of the page are links for "OpenAthens | Institutional" and "Ovid SSO".

What is Ovid MEDLINE®?

- Created and maintained by the NLM (U.S. National Library of Medicine)
 - MEDLINE® covers the international literature on biomedicine, including the allied health fields and the biological and physical sciences, humanities, and information science as they relate to medicine and health care
 - Comprehensive bibliographic database containing more than 30M records (mainly journal citations) and **updated daily (excluding weekends)**
- Main Contents
 - Citations from more than 5,200 international scholarly journals in over 40 languages
 - For citations published after 2010: 40% are published in the U.S.; 93% are published in English; 85% have English abstracts
 - List of journals: https://www.nlm.nih.gov/bsd/serfile_addedinfo.html
 - Includes MEDLINE®, Epub Ahead of Print, In-Process & Non-Indexed Citations, and Versions®
 - Indexed with over 26,000 Medical Subject Headings (MeSH) and 76 Subheadings to describe specific aspects of the MeSH term.
 Subheadings: https://www.nlm.nih.gov/mesh/qualifiers_scopenotes.html

Ovid® Basic Search- what is it and why use it?

- A **specific search mode** to help you find relevant articles on your chosen subject matter
- Allows **quick retrieval of results** using one or more databases of your choice
- **Simple and easy to use-** especially for new users of Ovid and databases e.g. students, Uses NLP
- Only in English
- Great way of assisting users in **knowledge discovery**
 - Help locate a reference and starting point when it is not clear how to formulate a search query.
- **Booleans and Truncation NOT used** here
 - a) 5 Star, 4 Star, 3 Star and 2 Star results shown
 - b) Only Basic Search uses relevancy ranking

Ovid® Advanced Search Modes

Basic Search | Find Citation | Search Tools | **Search Fields** | **Advanced Search** | Multi-Field Search

1 Resource selected | [Hide](#) | [Change](#)

Ovid MEDLINE(R) ALL 1946 to October 02, 2020

Enter keyword or phrase
(* or \$ for truncation)

☒ **Keyword** ☐ Author ☐ Title ☐ Journal

▼ **Limits** (close) ☐ Include Multimedia ☒ Map Term to Subject Heading

<input type="checkbox"/> Abstracts	<input type="checkbox"/> Structured Abstracts	<input type="checkbox"/> English Language
<input type="checkbox"/> No Language Specified	<input type="checkbox"/> Evidence Based Medicine Reviews	<input type="checkbox"/> Article Reviews (ACP Journal Club)
<input type="checkbox"/> Full Text	<input type="checkbox"/> Review Articles	<input type="checkbox"/> Article Reviews (DARE)
<input type="checkbox"/> Humans	<input type="checkbox"/> Topic Reviews (Cochrane)	<input type="checkbox"/> Core Clinical Journals (AIM)
<input type="checkbox"/> Latest Update	<input type="checkbox"/> Pharmacologic Actions	<input type="checkbox"/> COVID-19

Publication Year - -

- **Search Fields:** Use keywords to search specific fields to retrieve relevant records. Great for precision searches
- **Multi field search :** Helps structure your search by logically splitting up your search
- **Advanced Search:** Use Keywords together with Thesaurus – full flexibility
- You may use Either or All of these search modes to create a well structured search!

Mapping your search and MeSh– Why

- MeSH and Emtree – Use an indexed thesaurus to get a wider range of results. Tree structure
- Indexed Subheadings (assigned by experts from a set of vocabulary to describe subjects within an article).
- Option to explode or focus your term
- Scope note – explanation of your term

Search History (0)

Save Remove Combine with: AND OR

Save All Edit View Saved

Basic Search | Find Citation | Search Tools | Search Fields | **Advanced Search** | Multi-Field Search

1 Resource selected | [Hide](#) | [Change](#)

Ovid MEDLINE(R) ALL 1946 to June 12, 2019

Enter keyword or phrase (* or \$ for truncation)

☒ **Keyword** ☐ Author ☐ Title ☐ Journal

coronary heart disease [Search]

☐ Limits (close) ☐ Include Multimedia ☒ **Map Term to Subject Heading**

☐ Abstracts ☐ Structured Abstracts ☐ English Language

☐ Evidence Based Medicine Reviews ☐ Article Reviews (ACP Journal Club) ☐ Full Text

☐ Review Articles ☐ Article Reviews (DARE) ☐ Humans

☐ Topic Reviews (Cochrane) ☐ Core Clinical Journals (AIM) ☐ Latest Update

☐ Pharmacologic Actions

Publication Year: - -

[Additional Limits](#) [Edit Limits](#)

[-] ☒ **Coronary Disease**

- ☐ Coronary Aneurysm
- ☐ Coronary Artery Disease
- ☐ Coronary Occlusion
- ☐ Coronary Stenosis
- ☐ Coronary Thrombosis
- ☐ Coronary Vasospasm
- ☐ Coronary-Subclavian Steal Syndrome

Scope Note for: Coronary Disease

MeSH HEADING: CORONARY DISEASE

SCOPE: An imbalance between myocardial functional requirements and the capacity of the CORONARY VESSELS to supply sufficient blood flow. It is a form of MYOCARDIAL ISCHEMIA (insufficient blood supply to the heart muscle) caused by a decreased capacity of the coronary vessels.

NOTE: general or unspecified; prefer specifics



- Find most recent records that have not yet been indexed
- Can truncate words to find range of results
- Can be combined with MeSh or Emtree results using OR operator
- Best to do both types of search

Keyword Search – Why?

Obtain records that have not yet been indexed!

To expand your results!

Ovid® Advanced Search- what is it and why use it?

- Define your query with care
- Use Advanced Search to find precise results
- Structure your search – combine with boolians AND , OR, NOT
- Search Keywords and Map to your thesaurus
- Truncate your root words to find more results \$\$\$*****
- More results are better, you can always limit at the end and alter your search

Review your results and re-formulate if needed
Save or Export your search strategy



For verifiable, reproducible and reliable results

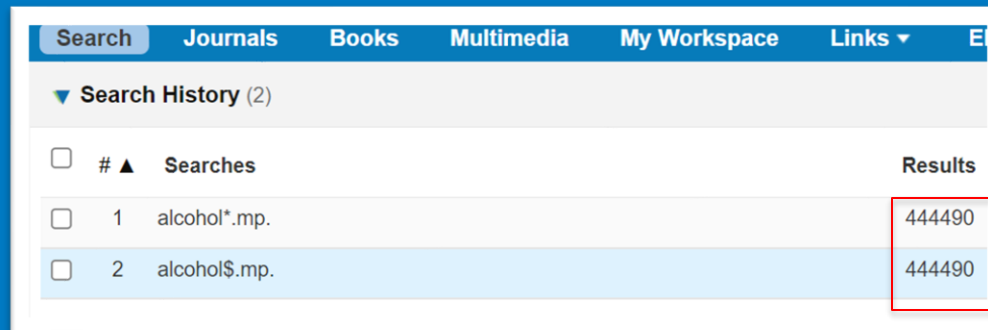
Date Range Searching in MEDLINE

- **Create Date (DT)** is for when the record was added to PubMed. This field is available for **all records** and is therefore recommended to use

#	Searches	Results	Search Type
1	exp Attention Deficit Disorder with Hyperactivity/ and exp METHYLPHENIDATE/	3340	Advanced
2	limit 1 to dt=20180801-20181031	8	Advanced

Truncation

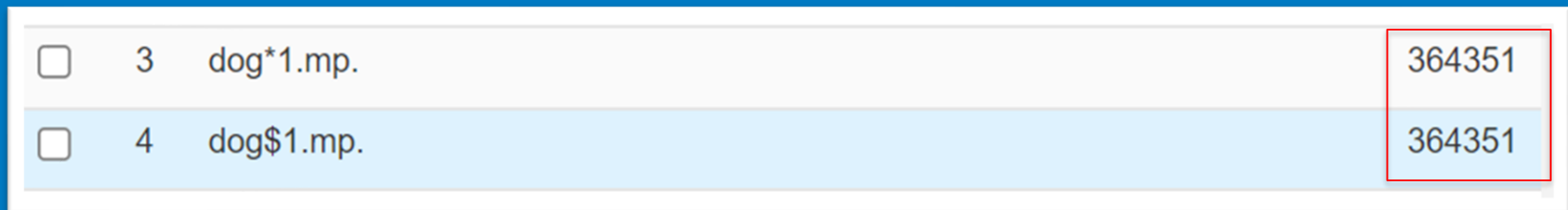
- **Truncation** – Find a UNLIMITED suffix variations using * or \$
- *Alcohol* = Alcohol, Alcohols, Alcoholic, Alcoholics (You can choose to use the * or the \$- they both mean the same thing)*



The screenshot shows a search interface with a top navigation bar containing 'Search', 'Journals', 'Books', 'Multimedia', 'My Workspace', 'Links', and 'E'. Below the navigation bar is a 'Search History (2)' section. It contains a table with two rows. The first row is '1 alcohol*.mp.' with a result count of 444490. The second row is '2 alcohol\$.mp.' with a result count of 444490. The result counts are highlighted with a red box.

<input type="checkbox"/>	# ▲	Searches	Results
<input type="checkbox"/>	1	alcohol*.mp.	444490
<input type="checkbox"/>	2	alcohol\$.mp.	444490

- **Limited Truncation-** Limited truncation specifies a maximum number of characters that may follow the root word or phrase
- *dog\$1 retrieves results with the words dog and dogs; but it does not retrieve results with the word dogma.*



The screenshot shows a search interface with a table containing two rows. The first row is '3 dog*1.mp.' with a result count of 364351. The second row is '4 dog\$1.mp.' with a result count of 364351. The result counts are highlighted with a red box.

<input type="checkbox"/>	3	dog*1.mp.	364351
<input type="checkbox"/>	4	dog\$1.mp.	364351

Wildcard

- **Wildcard 1** – Find different variations of spelling ie UK and USA using a question mark (ie flavo?r or tumo?r)

<input type="checkbox"/>	5	(flavo?r or tumo?r).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	1951811
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- **Wildcard 2** – Use hash symbol # to replace exactly 1-character ie, wom#n

<input type="checkbox"/>	6	wom#n.mp.	1237232	Advanced
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Adjacency and Frequency Operators

Stop words **ARE COUNTED** when using **PROXIMITY INDICATORS**

- **Adjacency** – Use to find words within range of each other (in any order)

ie – *Stroke and depression* (up to 99)

Stroke **Adj2** depression – Stroke patients with Depression

(stroke adj2 depression).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonym]

1726

- **Frequency Operator** – use to find the frequency of your terms within your specific fields. Particularly useful in Abstract and Full text fields

☐ 8 blood pressure.tw. /freq=10

2628

Traditional Advanced search mode

Basic Search | Find Citation | Search Tools | Search Fields | **Advanced Search** | Multi-Field Search

1 Resource selected | [Hide](#) | [Change](#)

Ovid MEDLINE(R) ALL / PubMed(R) 1946 to Present

Enter keyword or phrase
(* or \$ for truncation)

☒ K Helicobacter Infection

Your term mapped to the following Subject Headings
Click on a subject heading to view more general and specific terms
Term is a thesaurus term

☐ Include All Subheadings
Combine with:

Select	Subject Heading
<input checked="" type="checkbox"/>	Helicobacter Infections
<input checked="" type="checkbox"/>	Helicobacter infections.mp. search

Tree for Helicobacter Infection
Combine with:

Scroll down for highlighted search terms

Select Term(s)

- [+] ☐ Anatomy (Non MeSH)
- [+] ☐ Organisms (Non MeSH)
- [-] ☐ Diseases (Non MeSH)
- [-] ☐ Infections
 - ☐ Aneurysm, Infected
- [+] ☐ Arthritis, Infectious
- ☐ Asymptomatic Infection

Scope Note for: Helicobacter Infection

MeSH HEADING: HELICOBACTER INFECTIONS

SCOPE: Infections with organisms of the genus *Helicobacter*, including *Helicobacter pylori*, *Helicobacter antrax*, and the upper duodenal mucosa.

NOTE: gram-neg bact infect; chlamydiae; spirochetes; PYLORI (IM) but Campylobacter

YEAR of ENTRY: 91

REFERENCES:
Used For:

- helicobacter infection
- helicobacter infections
- infection, helicobacter
- infections, helicobacter

Search Journals Books Multi-Field Search

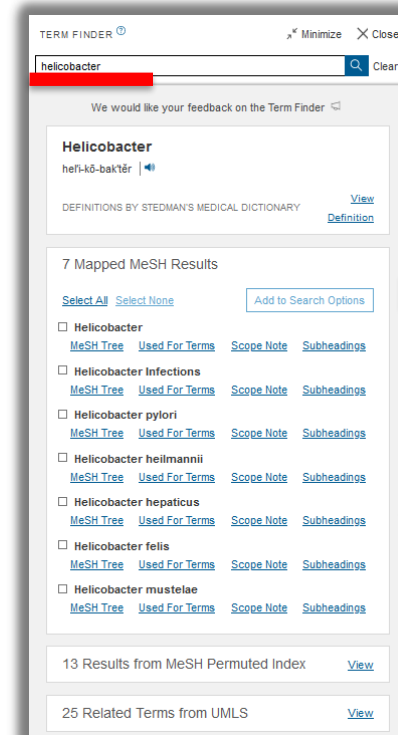
Subheadings for: Helicobacter Infections
Combine with:

☐ Include All Subheadings (30515)
-- or choose one or more of these subheadings --

- ☐ /bl - Blood (1282)
- ☐ /cf - Cerebrospinal Fluid (3)
- ☐ /ci - Chemically Induced (34)
- ☐ /cl - Classification (36)
- ☐ /co - Complications (8854)
- ☐ /cn - Congenital (2)

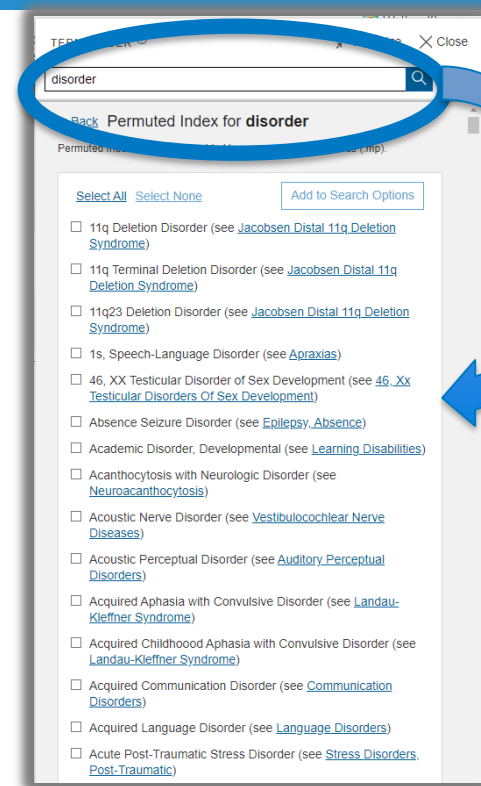
Ovid Term Finder

- Ovid Term Finder champions the *expert* researcher.
- **Practical!** Undertake advanced searches within *one* screen instead of viewing numerous pages.
- **Integrated!** Mapping, used for terms and tools are all available for efficient searching of *Ovid MEDLINE*.
- **Automated!** The sophisticated mapping helps to suggest and load terms directly to the Ovid Search. Use “copy to clipboard” to work in (Word, Excel, Notepad)...
- **Versatile!** Useful for undertaking scoping reviews for systematic reviews or quick targeted searches.
- **Intuitive!** Quick and easy to use, and for demoing to your peers and colleagues.



Permuted index

- The *Permuted Index* can be used as an excellent *discovery tool* for specific search terms.
- The term “*Disorder*” activates a comprehensive Permuted Index listing showing *all* the specific *disorders* indexed in the database.
- By browsing the permuted index users can quickly discover the specific term(s) they require, and make more targeted keyword combinations for their searches.



Use Limits to specify your search

The screenshot displays a search interface with multiple limit categories and options:

- Abstracts:** ☐ Abstracts, ☐ No Language Specified, ☐ Male, ☐ Ovid Full Text Available, ☐ Review Articles, ☐ Topic Reviews (Cochrane), ☐ Pharmacologic Actions
- Structured Abstracts:** ☐ Structured Abstracts, ☐ All EBMR Article Reviews, ☐ Animals, ☐ Article Reviews (ACP Journal Club), ☐ Article Reviews (DARE), ☐ Core Clinical Journals (AIM), ☐ COVID-19
- English Language:** ☐ English Language, ☐ Evidence Based Medicine Reviews, ☐ Female, ☐ Full Text, ☐ Humans, ☐ Latest Update
- Publication Year:** Two dropdown menus for selecting a range of years.
- Age Groups:** A list box containing: All Infant (birth to 23 months), All Child (0 to 18 years), All Adult (19 plus years), Newborn Infant (birth to 1 month), Infant (1 to 23 months).
- Animal Types:** A list box containing: Cats, Cattle, Chick Embryo, Dogs, Goats.
- Publication Types:** A list box containing: Adaptive Clinical Trial, Address, Autobiography, Bibliography, Biography.
- Status:** A list box containing: In Data Review.
- Journal Subsets:** A list box containing: AIDS/HIV Journals, Core Clinical Journals (AIM), Bioethics Journals, Biotechnology Journals, Communication Disorders Journals.
- Languages:** A list box containing: Afrikaans, Albanian, Arabic, Armenian, Azerbaijani.
- Clinical Queries:** A list box containing: Reviews (maximizes sensitivity), Reviews (maximizes specificity), Reviews (best balance of sensitivity and specificity), Therapy (maximizes sensitivity), Therapy (maximizes specificity).
- Subject Subsets:** A list box containing: AIDS.

Below the Publication Year dropdowns, a note states: "to select or remove multiple items from a list below, hold down the Shift, Ctrl, or 'Apple' key while selecting."

Editing your search

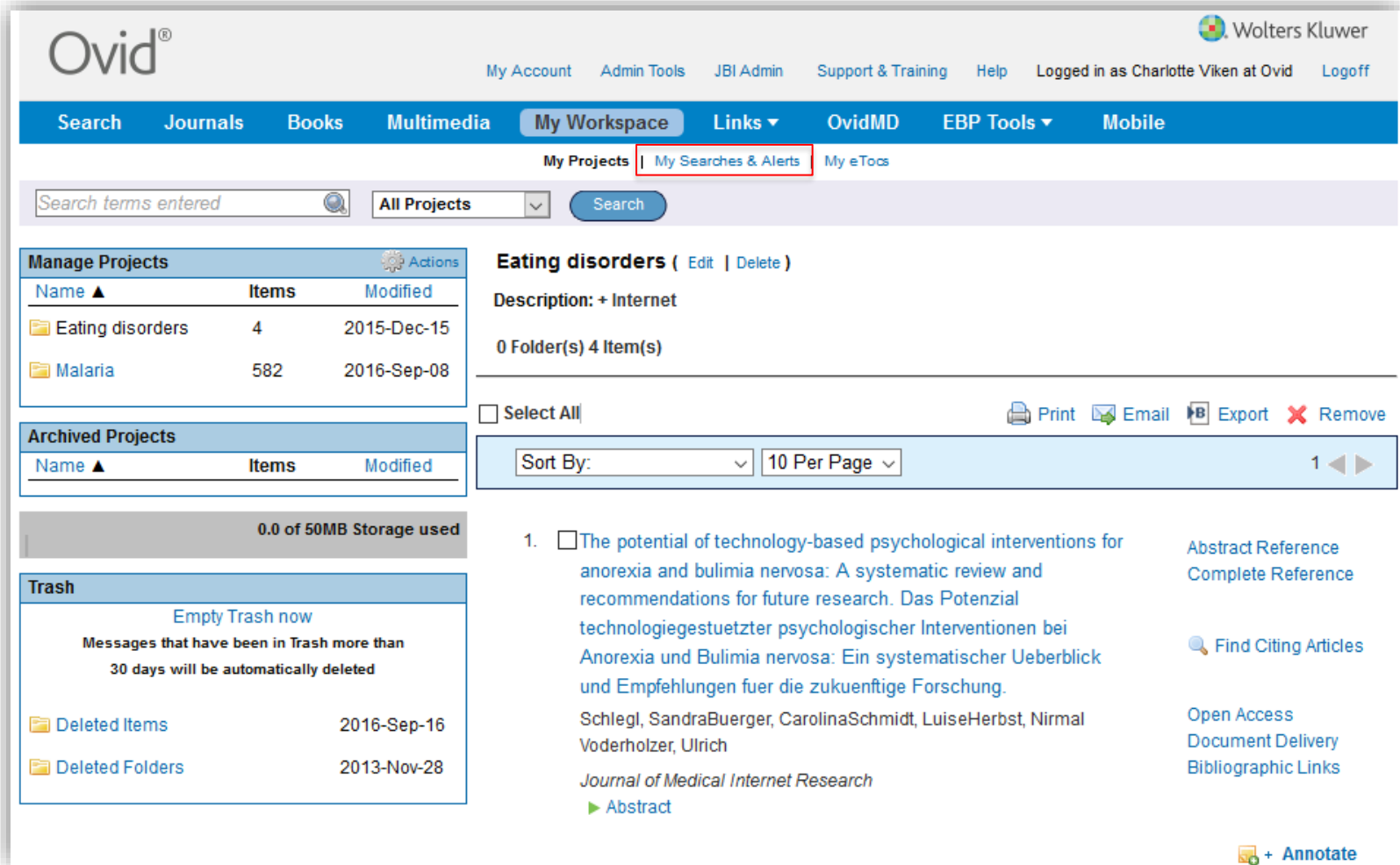
Search History (7) [View Saved](#)

<input type="checkbox"/>	# ▲ Searches	Results	Type	Actions	Annotations
<input type="checkbox"/>	1 exp Wine/	10775	Advanced	Display Results More ▼	Contract
<input type="checkbox"/>	2 (wine or moderate wine drink* or occasional wine drink*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	21653	Advanced	Display Results More ▼	
<input type="checkbox"/>	3 exp Coronary Disease/	218506	Advanced	Display Results More ▼	
<input type="checkbox"/>	4 (coronary disease or coronary heart aneurysm).ti,ab.	13983	Advanced	Display Results More ▼	
<input type="checkbox"/>	5 1 or 2	21653	Advanced	Display Results More ▼	
<input type="checkbox"/>	6 3 or 4	223592	Advanced	Display Results More ▼	
<input type="checkbox"/>	7 5 and 6	311	Advanced	Display Results More ▼	

☒ 5 1 or 2
☒ 6 3 or 4
[Save](#) [Remove](#) Combine with: [AND](#) [OR](#)

[Save](#) [Edit](#) [Create Auto-Alert](#) [Create RSS](#) [Remove](#)

Tools: My Workspace



The screenshot shows the Ovid My Workspace interface. At the top, the Ovid logo is on the left, and the Wolters Kluwer logo is on the right. Below the logo, there is a navigation bar with links: My Account, Admin Tools, JBI Admin, Support & Training, Help, Logged in as Charlotte Viken at Ovid, and Logoff. The main navigation bar includes Search, Journals, Books, Multimedia, My Workspace (highlighted), Links, OvidMD, EBP Tools, and Mobile. Below this, there are tabs for My Projects, My Searches & Alerts (highlighted with a red box), and My eTools. A search bar is present with the text "Search terms entered" and a search button. The left sidebar contains sections for Manage Projects, Archived Projects, and Trash. The Manage Projects section shows a table with columns Name, Items, and Modified. The Archived Projects section shows a table with columns Name, Items, and Modified. The Trash section shows a message "Empty Trash now" and a list of deleted items and folders. The main content area displays a project titled "Eating disorders" with a description "+ Internet" and "0 Folder(s) 4 Item(s)". Below this, there is a list of search results, including a citation about the potential of technology-based psychological interventions for anorexia and bulimia nervosa. The citation includes the title, authors, and the journal name. There are also links for Abstract, Complete Reference, Find Citing Articles, Open Access, Document Delivery, and Bibliographic Links. At the bottom right, there is a button for Annotate.

Ovid®

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My Account Admin Tools JBI Admin Support & Training Help Logged in as Charlotte Viken at Ovid Logoff

Search Journals Books Multimedia **My Workspace** Links OvidMD EBP Tools Mobile

My Projects **My Searches & Alerts** My eTools

Search terms entered All Projects Search

Manage Projects Actions

Name ▲	Items	Modified
Eating disorders	4	2015-Dec-15
Malaria	582	2016-Sep-08

Archived Projects

Name ▲	Items	Modified
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0.0 of 50MB Storage used

Trash

Empty Trash now

Messages that have been in Trash more than 30 days will be automatically deleted

Deleted Items	2016-Sep-16
Deleted Folders	2013-Nov-28

Eating disorders (Edit | Delete)

Description: + Internet

0 Folder(s) 4 Item(s)

☐ Select All Print Email Export Remove

Sort By: 10 Per Page 1

1. ☐ The potential of technology-based psychological interventions for anorexia and bulimia nervosa: A systematic review and recommendations for future research. Das Potenzial technologiegestuetzter psychologischer Interventionen bei Anorexia und Bulimia nervosa: Ein systematischer Ueberblick und Empfehlungen fuer die zukuenftige Forschung. Schlegl, SandraBuerger, CarolinaSchmidt, LuiseHerbst, Nirmal Voderholzer, Ulrich *Journal of Medical Internet Research* [Abstract](#)

Abstract Reference Complete Reference

Find Citing Articles

Open Access Document Delivery Bibliographic Links

+ Annotate

Thank you

For further information contact

E-mail: support@ovid.com

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